

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/814,527	
			Filing Date	March 30, 2004	
			First Named Inventor	Robert Alpern	
			Art Unit	1615	
Examiner Name	Thurman K. Page				
Sheet	1	of	1	Attorney Docket Number	29329-714.201

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M		US-5,186,937	2-16-1993	Sparks et al.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ¹ - Number ² - Kind Code ³ (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner signature		Date Considered	5/10/07
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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First Named Inventor	Robert Alpern
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Sheet 1 of 1

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		Number-Kind Code ² (if known)			
M		US-2002/0054903	05-9-2002	Tyler et al.	
		US-3,974,272	08-10-1976	Merck & Co., Inc.	
		US-4,747,881	05-31-1988	Warner-Lambert Company	
		US-4,837,015	06-06-1989	Olsen	
		US-4,902,501	02-20-1990	Prodotti Formenti S.r.L.	
		US-5,091,175	02-25-1992	Erbamont Inc.	
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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
		WO 82/00257	02-04-1982	Cerami, Anthony		
		WO 97/49736	12-31-1997	G.D. Searle and Co.		

Examiner
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Thurman K. Page

Date

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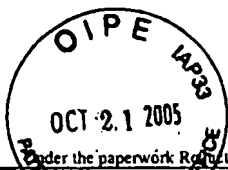
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				Art Unit	1615
				Examiner Name	Thurman K. Page
Sheet	1	of	3	Attorney Docket Number	29329-714.201

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		Number-Kind Code ² (if known)			
M	1.	US-2,611,730	09-23-1952	Heming et al.	
	2.	US-2,909,462	10-20-1959	Warfield et al.	
	3.	US-4,143,130	03-06-1979	Imondi	
	4.	US-4,470,975	09-11-1984	Berger	
	5.	US-5,051,253	09-24-1991	Llyod-Jones	
	6.	US-5,141,927	08-25-1992	Krotkiewski	
	7.	US-5,281,631	01-25-1994	Horwitz	
	8.	US-5,374,422	12-20-1994	Pierre	
	9.	US-5,607,669	03-04-1997	Mandeville	
	10.	US-5,633,344	05-27-1997	Figuly	
	11.	US-5,718,920	02-17-1998	Notenbomer	
	12.	US-6,294,163	09-25-2001	Dhal	
	13.	US-2002/0146386 A1	10-10-2002	Simon et al.	
	14.	US-2003/0027789 A1	02-06-2003	Yamaoka et al.	

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		Country Code ² - Number ³ - Kind Code ³ (if known)				
M	15.	EP 0730494 B1	02-04-1998	Salternate B.V.		
	16.	WO 01/51063 A1 (with English abstract)	07-19-2001	Otsuka Pharmaceutical Factory, Inc.		
	17.	WO 02/062356 A2	08-15-2002	Ash Medical Systems, Inc.		
	18.	WO 02/40039 A2	05-23-2002	The Dow Chemical Company		
	19.	WO 92/10522	06-25-1992	Imperial Chemical Industries PLC		
	20.	WO 94/27619	12-08-1994	Geltex, Inc.		
	21.	WO 95/14531	06-01-1995	Sansel		

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Attorney Docket No. 29329-714.201

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			Art Unit	1615	
			Examiner Name	Thurman K. Page	
Sheet	2	of	3	Attorney Docket Number	29329-714.201

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	22.	Berlyne, G.M., et al. "Cation exchange resins in hyperkalaemic renal failure." (1967) Israel J Med Sci 3(1): 45-52	
	23.	Chourasia, M.K., et al., "Pharmaceutical approaches to colon targeted drug delivery systems." (2003) J. Pharm Pharm Sci 6(1): 33-66.	
	24.	Corcoran, A.C., et al., "Controlled observations on the effect of low sodium dietotherapy in essential hypertension." (1951) Circulation 3(1): 1-16.	
	25.	Danowski, T.S., et al., "Changes in fecal and serum constituents during ingestion of cation and anion exchangers." (1953) Ann N Y Acad Sci. 57(3): 273-9	
	26.	Emerson, K., Jr., et al., "The role of the gastro-intestinal tract in the adaptation of the body to the prevention of sodium depletion by cation exchange resins." (1953) Ann N Y Acad Sci. 57(3): 280-90	
	27.	Emmett, M., et al. "Effect of Three Laxatives and a Cation Exchange Resin on Fecal Sodium and Potassium Excretion." (1995) Gastroenterology 108(3): 752-60	
	28.	Evans, B.M., et al. "Ion-exchange resins in the treatment of anuria." (1953) Lancet 265(6790): 791-5	
	29.	Field, H., Jr., et al., "Electrolyte changes in ileal contents and in feces during restriction of dietary sodium with and without the administration of cation-exchange resin." (1955) Circulation 12(4): 625-9	
	30.	Field, H., Jr., et al., "Mechanisms regulating the retention of sodium in the feces by cation-exchange resin: release of base from the resin by bacterial fermentation in the terminal ileum." (1958) J Lab Clin Med 51(2): 178-84	
	31.	Fourman, P. "Capacity of a cationic exchange resin (zeo-karb 225) in vivo." (1953) British Medical Journal 1(4809): 544-6	
	32.	Greenman, L., et al. "Biochemical changes accompanying the ingestion of a carboxylic cation exchanger in the hydrogen, ammonium, sodium, potassium, or calcium form." (1951) J Clin Invest. 30(9): 995-1008	
	33.	Gruy-Kapral, C., et al., "Effect of single dose resin-cathartic therapy on serum potassium concentration in patients with end-stage renal disease." (1998) J Am Soc Nephrol 9(10): 1924-30	
	34.	Harthorn, J.G.L., et al., "A CASE OF UREMIA AND HYPERPOTASSEMIA TREATED WITH SULPHONIC CATION-EXCHANGE RESIN" (1952) Acta Med Scan., 144(3): 230-6	

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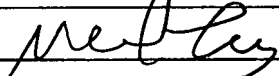
¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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			First Named Inventor	Robert Alpern	
			Art Unit	1615	
			Examiner Name	Thurman K. Page	
Sheet	3	of	3	Attorney Docket Number	29329-714.201

NON PATENT LITERATURE DOCUMENTS			
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M	35.	Heming A. E., et al., "Considerations in the selection of cation exchange resins for therapeutic use." (1953) Ann N Y Acad Sci. 57(3):239-51	
	36.	Irwin, L., et al. "The effect of a cation exchange resin on electrolyte balance and its use in edematous states." (1949) J Clin Invest. 28(6, Pt. 2): 1403-11	
	37.	Kohlstaedt, K.G., et al., "Clinical experience with mixtures of anion and cation exchange resins." (1953) Ann N Y Acad Sci. 57(3): 260-72	
	38.	Mason N.S., et al., "A new ion exchanger with high in vivo sodium capacity." (1985) Kidney Int Suppl. 28(17): S178-182	
	39.	Mateer, F.M., et al., "SODIUM RESTRICTION AND CATION EXCHANGE RESIN THERAPY IN NEPHROTIC CHILDREN" (1951) J Clin Invest. 30(9): 1018-26	
	40.	McChesney, E.W. "Effects of long-term feeding of sulfonic ion exchange resin on the growth and mineral metabolism of rats." (1954) Am J Physiol. 177(3):395-400	
	41.	McChesney, E.W., et al., "Some aspects of cation exchange resins as therapeutic agents for sodium removal." (1953) Ann N Y Acad Sci. 57(3):252-9	
	42.	Moustafine R.I., et al., "Characteristics of interpolyelectrolyte complexes of Eudragit E 100 with sodium alginate." (2005) Int J Pharm 294(1-2): 113-20	
	43.	Root, M.A., "Comparison of the in vivo sodium-removing activity of various types of ion exchange resins in rats." (1953) J Lab Clin Med 42(3): 430-7	
	44.	Ross, E.J., et al. "Observations on cation exchange resins in the small and large intestines." (1954) Clin Sci 13(4): 555-66	
V	45.	Tust, R. H., et al., "THE EFFECTS OF MALETHAMER ON THE EXCRETION AND PLASMA LEVELS OF SODIUM, POTASSIUM, AND CHLORIDE (34990)" (1970) Proc Soc Exp Biol Med. 135(1): 72-6	
	46.	Wrong, O., et al., "The electrolyte content faeces." (1965) Proc R. Soc Med 58(12): 1007-9	

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				Art Unit	1616
				Examiner Name	Gary L. Kunz
Sheet	1	Of	1	Attorney Docket Number	29329-714.201

U.S. PATENT DOCUMENTS					
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M K	1.	US 5,667,775	09-16-1997	Holmes-Farley et al.	
	2.	US 6,881,484 B2	04-19-2005	Kataoka et al.	
	3.	US 2004/0166156 A1	08-26-2004	Tyler et al.	
	4.	US 2005/0036983 A1	02-17-2005	Simon et al.	

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				Art Unit	1614
				Examiner Name	Phyllis G. Spivack
Sheet	1	Of	1	Attorney Docket Number	29329-714.201

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M J	14.	US 4,605,701	08-12-1986	Harada et al.	
	15.	US 5,618,530	04-08-1997	Mandeville III, et al.	
	16.	US 5,679,717	10-21-1997	Mandeville III, et al.	
	17.	US 5,693,675	12-02-1997	Mandeville, III et al.	
	18.	US 2003/0065090 A1	04-03-2003	Kelly et al.	

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M J	19.	JP 1998059851A	03-03-1998	Otsuka Pharmaceutical Factory Inc., et al.		X
	20.	JP 1998130154A	05-19-1998	Otsuka Pharmaceutical Factory Inc., et al.		X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
M J	21.	FRIEDMAN, Eli A., Clinical Aspects of Uremia and Dialysis/ Sorbent Therapy in Uremia 671-687. (Shaul G. Massry & Alvin L. Sellers eds., 1976).	
	22.	FRIEDMAN, Eli A., et al. 1976. Combined oxystarch-charcoal trial in uremia: Sorbent-induced reduction in serum cholesterol. <i>Kidney International</i> . 10: S-273-S-276.	
	23.	IMONDI, A.R., et al. 1981. Gastrointestinal Sorbents for the Treatment of Uremia. I. Lightly Cross-Linked Carboxyvinyl Polymers. <i>Ann Nutr Metabol</i> . 25(5): 311-319.	

Examiner Signature	<i>Mei P. Lee</i>	Date Considered	5/26/07
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				Application Number	10/814,527
				Filing Date	March 30, 2004
				First Named Inventor	Robert Alpern
				Art Unit	1614
				Examiner Name	Phyllis G. Spivack
Sheet	1	Of	1	Attorney Docket Number	29329-714.201

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<i>ML</i>	24.	THIES, Curt. 1982. Microcapsules as drug delivery devices. <i>Crit Rev Biomed Eng.</i> 8(4): 335-383.	

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Application Number	10814527
Filing Date	2004-03-30
First Named Inventor	Robert Alpern
Art Unit	1615
Examiner Name	Eric E. Silverman
Attorney Docket Number	ILPS 04021.101

1	AGARWAL, et al., Pathophysiology of Potassium Absorption and Secretion by the Human Intestine, Gastroenterology, 1994, Vol. 107, pp. 548-571, American Gastroenterological Association	<input type="checkbox"/>
2	ROSS, et al., Observations on Cation Exchange Resins in the Small and Large Intestines, 1954, pp. 555-566, Medical Unit, University College Hospital Medical School, London, W.C.1	<input type="checkbox"/>
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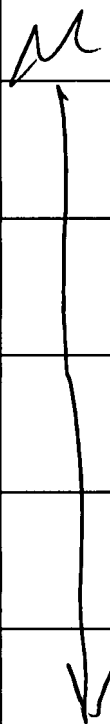
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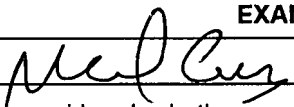
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	1	DAI, et al, Controlling Ion Transport through Multilayer Polyelectrolyte Membranes by Derivatization with Photolabile Functional Groups, Macromolecules, 2002, Vol. 35, pp. 3164-3170, American Chemical Society.	<input type="checkbox"/>
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	3	GERSTMAN, et al., Use Of Sodium Polystyrene Sulfonate In Sorbitol In The United States, 1985-1989, Vol. XVIII, No. 5 (November), 1991, pp. 619-621, American Journal of Kidney Diseases.	<input type="checkbox"/>
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	5	MESZAROS, et al., Adsorption of Poly(ethyleneimine) on Silica Surfaces: Effect of pH on the Reversibility of Adsorption, Langmuir, 2004, Vol. 20, pp. 5026-5029, American Chemical Society.	<input type="checkbox"/>
	6	PICART, et al., Microinterferometric Study of the Structure, Interfacial Potential, and Viscoelastic Properties of Polyelectrolyte Multilayer Films on a Planar Substrate, J. Phys. Chem. B, 2004, Vol. 108, pp. 7196-7205, American Chemical Society.	<input type="checkbox"/>

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